

Title (en)

Pipe socket joint secured against decoupling

Title (de)

Zuggesicherte Muffenrohrverbindung

Title (fr)

Raccord à manchon de tuyaux sécurisé contre découplage

Publication

EP 1460325 A3 20041201 (DE)

Application

EP 04001398 A 20040123

Priority

DE 10306316 A 20030215

Abstract (en)

[origin: EP1460325A2] Two pipes are joined with a sleeve fit. The interface zone between the two pipes is closed by an O-ring seal consisting of a first section of relatively hard material (H) and a second section of softer material (D). The seal is a one-piece unit. The hard section incorporates an essentially narrow U-shaped circular groove (15), while the soft section incorporates an essentially wide U-shaped groove (14) at right angles to the first (15).

IPC 1-7

F16L 21/08

IPC 8 full level

F16L 21/08 (2006.01); **F16L 37/088** (2006.01)

CPC (source: EP US)

F16L 21/08 (2013.01 - EP US); **F16L 37/088** (2013.01 - EP US)

Citation (search report)

- [DX] US 3684320 A 19720815 - PLATZER HERBERT, et al
- [X] US 4303262 A 19811201 - PIERREL MICHEL, et al
- [A] FR 1168647 A 19581211 - CIE DE PONT A MOUSSON

Cited by

JP2009541686A; EP1739334A1; EA014478B1; US7806445B2; EP3601864A4; WO2008000472A3; WO2015011454A1; EP2194306A2; WO2024037718A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

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EP 04001398 A 20040123; AT 04001398 T 20040123; DE 10306316 A 20030215; DE 502004010334 T 20040123; ES 04001398 T 20040123; SI 200431338 T 20040123